## Index of Claims

## Application/Control No.

Applicant(s)/Patent under Reexamination

10/706,657 Examiner

AURANGZEB HASSAN

STULTZ, PAUL D.

|       |          | √        | Rejected |          |          |          |          |          | Ŀ        |          | (Through numeral)<br>Cancelled |          |          |          |          |          |          | N<br>I   | Non-Elected |               |          |          |          |
|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------------------------|----------|----------|----------|----------|----------|----------|----------|-------------|---------------|----------|----------|----------|
|       |          | =        | Α        | Allowed  |          |          |          |          | ÷        |          | Restricted                     |          |          |          |          |          | ı        |          | nte         | rfe           | rence    |          |          |
| Cli   | aim      | Date     |          |          |          |          | _        |          |          |          | Claim                          |          |          |          |          | Dat      | _        |          |             |               |          |          |          |
| _     | _        | 1        | Г        | Г        | г        |          | ĬΤ       | Г        | Г        | Γ        | l                              |          | -        | П        | П        |          | r '      | ľ        | ĬΤ          | Г             | Т        | Т        | 1 [      |
| Final | Original | 5/9/06   | 1/4/07   | 7/5/07   | 1/31/08  | 6/17/08  |          |          |          |          |                                | Final    | Original |          |          |          |          |          |             |               |          |          | 10       |
|       | 1        | V        | V        | ٧        | V        | ٧        |          |          |          |          | į                              |          | 51       |          |          |          |          |          |             |               |          |          |          |
|       | 2        | V        | V        | L.       | ١,       | L.       | ╙        | L        | ╙        | _        | Į                              |          | 52       | Ш        | Ш        |          | L        | ╙        | _           | ╙             | ┡        | ╙        | !        |
|       | 3        | 4        | 1        | V        | V        | ٧        | ⊢        | L        | ⊢        | H        |                                |          | 53       | Н        | Н        | $\vdash$ | L        | ⊢        | ⊢           | ⊢             | ⊢        | ⊬        | ł ⊢      |
|       | 5        | V        | V        | V        | V        | ٧        | ⊢        | ⊢        | ⊢        | Н        | ł                              | -        | 54<br>55 | Н        | Н        | $\vdash$ | ⊢        | ⊢        | ⊢           | ⊢             | $\vdash$ | ⊢        | l        |
|       | 6        | v        | v        | v        | 1        | $\vdash$ | $\vdash$ | Н        | $\vdash$ | Н        | 1                              |          | 56       | Н        | Н        | $\vdash$ | Н        | $\vdash$ | $\vdash$    | $\vdash$      | $\vdash$ | $\vdash$ | l        |
|       | 7        | i        | i        | v        | i        | V        | $\vdash$ |          | $\vdash$ | Н        | 1                              |          | 57       | Н        | Н        |          | Н        | $\vdash$ | Н           | $\vdash$      | +        | +        | l H      |
|       | 8        | V        | V        | V        | V        |          | Т        | Т        | $\vdash$ |          | ĺ                              |          | 58       | П        | П        |          | Г        | т        |             | $\vdash$      |          | $\vdash$ | ır       |
|       | 9        | 4        | V        |          |          |          |          |          |          |          | 1                              |          | 59       |          |          |          |          |          |             |               |          |          |          |
|       | 10       | 4        | V        | ٧        | V        | V        |          |          |          |          | ]                              |          | 60       |          |          |          |          |          |             |               |          |          |          |
|       | 11       | V        | ٧        | ٧        | V        | ٧        | ┕        |          | ┖        |          | ļ                              |          | 61       |          | Ш        |          | L        | ┖        |             | ┖             |          | ┺        | l ⊢      |
|       | 12       | ٧        | 1        | 4        | V,       | V        | _        | ⊢        | ⊢        |          | l                              |          | 62       | Н        | Н        |          | ⊢        | ⊢        | ⊢           | ⊢             | ┡        | ⊢        | <b>!</b> |
|       | 13       | V        | 1        | V        | V        | V        | ⊢        |          | ⊢        |          | 1                              | $\vdash$ | 63       | Н        | Н        |          | H        | ⊢        | H           | ⊢             | ⊢        | ⊢        | ł ⊢      |
| _     | 15       | V        | V        | V        | V        | V        | $\vdash$ | H        | $\vdash$ | Н        | 1                              | Н        | 65       | Н        | Н        |          | H        | ⊢        | H           | $\vdash$      | ⊢        | +        | ł ⊢      |
|       | 16       | v        | V        | V        | V        | V        | Н        | Н        | $\vdash$ | Н        | ł                              |          | 66       | Н        | Н        | Н        | Н        | $\vdash$ | Н           | $\vdash$      | ┢        | +        | ΙH       |
| _     | 17       | Ì        | v        | v        | V        | ż        | $\vdash$ | Н        | $\vdash$ | $\vdash$ | ĺ                              |          | 67       | Н        | Н        |          | Н        | $\vdash$ | Н           | -             | $\vdash$ | $^{+}$   | ΙH       |
|       | 18       | 1        | V        | V        | V        | V        | Т        |          | Т        |          | ĺ                              |          | 68       |          | П        |          |          | $\vdash$ |             | $\overline{}$ |          | т        |          |
|       | 19       | V        | V        | V        | V        |          |          |          |          |          | j                              |          | 69       |          |          |          |          |          |             |               |          |          |          |
|       | 20       | V        | V        | V        | V        | V        |          |          |          |          | ]                              |          | 70       |          |          |          |          |          |             |               |          |          |          |
|       | 21       | ╙        |          |          | _        |          | _        |          | ╙        |          | Į                              |          | 71       |          | Ц        |          |          | ╙        | _           | ╙             |          | ╙        | !        |
|       | 22       | ⊢        |          | ⊢        | ⊢        | _        | ⊢        |          | ⊢        | _        | l                              |          | 72       | Ш        | Н        |          | _        | ⊢        | L           | ⊢             | ⊢        | ⊢        | <b>!</b> |
|       | 23<br>24 | ⊢        |          | ⊢        | ⊢        | ⊢        | ⊢        | H        | ⊢        |          | l                              |          | 73<br>74 | Н        | Н        | Н        | L        | ⊢        | L           | ⊢             | ⊢        | ⊢        | ł ⊢      |
| _     | 25       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | ⊢        | $\vdash$ | Н        | {                              |          | 75       | Н        | Н        | $\vdash$ | ⊢        | $\vdash$ | ⊢           | $\vdash$      | $\vdash$ | $\vdash$ | ł ⊢      |
| _     | 26       | $\vdash$ |          | $\vdash$ | $\vdash$ | $\vdash$ | Н        | Н        | $\vdash$ | Н        | 1                              |          | 76       | Н        | Н        | Н        | Н        | $\vdash$ | Н           | $\vdash$      | $\vdash$ | $\vdash$ | l ⊢      |
|       | 27       | $\vdash$ |          | Н        | -        |          | Н        | Н        | t        | Н        | ĺ                              |          | 77       | Н        | Н        | Н        | Н        | Н        | Н           | -             | t        | $^{-}$   | ı        |
|       | 28       |          |          |          |          |          |          |          |          |          | ĺ                              |          | 78       |          |          |          |          |          |             |               |          |          |          |
|       | 29       |          |          |          |          |          |          |          |          |          | j                              |          | 79       |          |          |          |          |          |             |               |          |          |          |
|       | 30       |          |          |          |          |          |          |          |          |          | Į                              |          | 80       |          |          |          |          |          |             |               |          |          |          |
|       | 31       | ╙        |          | L        | ╙        | _        | L        |          | ┖        |          | ļ                              |          | 81       |          | Ш        |          | L        | ┖        |             | ╙             | L        | ╙        | l L      |
|       | 32       |          | $\vdash$ | $\vdash$ | $\vdash$ | ⊢        | $\vdash$ | ⊢        | ⊢        | ⊢        | 1                              | $\vdash$ | 82<br>83 | $\vdash$ | Н        | Н        | $\vdash$ | $\vdash$ | $\vdash$    | $\vdash$      | $\vdash$ | -        | l ⊢      |
|       | 33       | +        | $\vdash$ | 1                              | $\vdash$ | 83       | $\vdash$ | Н        | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$    | $\vdash$      | $\vdash$ | +        | ΙH       |
| _     | 35       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\vdash$ | $\vdash$ | 1                              | $\vdash$ | 85       | $\vdash$ | Н        | $\vdash$ | Н        | $\vdash$ | Н           | $\vdash$      | H        | +        | ΙH       |
| _     | 36       | -        | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н        | Т        | $\vdash$ | Т        | ĺ                              |          | 86       | Н        | Н        | Н        | _        | $\vdash$ |             | $\vdash$      | H        | +        | Ιŀ       |
|       | 37       | $\Box$   | Г        | Г        | Г        | Г        | Г        |          | 1        | Г        | ĺ                              |          | 87       |          | П        |          | Т        | Π        |             |               |          |          |          |
|       | 38       |          |          |          |          |          |          |          |          |          |                                |          | 88       |          |          |          |          |          | -           |               | -        |          |          |
|       | 39       | Г        | Г        | Г        |          | Г        | Г        | Г        |          | 匚        |                                |          | 89       |          |          |          |          |          | Г           | Г             | Г        | Г        |          |
|       | 40       | ╙        | Ľ        | Ľ        | Ľ        | ╚        | Ľ        | Ľ        | Ľ        | Ľ        |                                | $\Box$   | 90       | Ц        | Ы        | Ц        | Ľ        | Ľ        | Ľ           | ┕             | Ľ        | L        |          |
|       | 41       | ⊢        | L        | L        | _        | ⊢        | ⊢        | L        | ⊢        | ⊢        |                                |          | 91       | Ш        | Ш        | Ш        | L        | ⊢        | L           | ⊢             | 1        | ⊢        | -        |
| -     | 42       | ⊢        | ⊢        | ⊢        | $\vdash$ | ⊢        | ⊢        | ⊢        | ⊢        | ⊢        |                                | $\vdash$ | 92       | Н        | Н        | Н        | H        | $\vdash$ | ⊢           | $\vdash$      | ⊢        | ⊢        | l        |
| -     | 43<br>44 | $\vdash$ | ⊢        |                                | $\vdash$ | 93<br>94 | Н        | Н        | Н        | H        | $\vdash$ | $\vdash$    | $\vdash$      | ⊢        | ⊢        | 1 1-     |
| -     | 45       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\vdash$ | $\vdash$ | ⊢        |                                |          | 95       | Н        | $\vdash$ | Н        | Н        | $\vdash$ | $\vdash$    | $\vdash$      | ⊢        | +        | -        |
| -     | 46       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н        | $\vdash$ | $\vdash$ | $\vdash$ |                                | $\vdash$ | 96       | Н        | Н        | Н        | $\vdash$ |          | Н           | $\vdash$      | $\vdash$ | +        |          |
| _     | 47       | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н        | Н        | $\vdash$ | $\vdash$ | 1                              | $\vdash$ | 97       | Н        | Н        | Н        | Н        | $\vdash$ | Н           | $\vdash$      | H        | +        |          |
|       | 40       |          | Г        | Г        | Г        | Г        | Г        |          | Г        |          | ĺ                              |          | 98       |          | П        |          |          |          |             | Г             |          |          |          |
|       | 49       |          |          |          |          |          |          |          |          |          | 1                              |          | 99       |          |          |          |          |          |             |               |          |          |          |
|       | 50       | П        |          | L        |          |          |          |          |          |          |                                |          | 100      |          |          |          |          |          | L           |               |          | Г        | ΙГ       |

| A | Appeal   |  |  |  |  |  |  |
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Art Unit

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|----------|------------|---|---|------|----------|---------------|----------|---|----------|---|--|--|
| Cli      | Claim      |   |   | Date |          |               |          |   |          |   |  |  |
| 100      |            |   | П | П    | r '      | Ī             | ĬΤ       | Г | Г        | П |  |  |
| Final    | Original   |   |   |      |          |               |          |   |          |   |  |  |
| 流        | ji j       |   |   |      |          |               |          |   |          |   |  |  |
|          |            |   |   |      |          |               |          |   |          |   |  |  |
| <u> </u> | 101        |   |   |      | _        |               | _        |   | _        |   |  |  |
| _        | 102        |   | ш |      | _        | <u> </u>      | L        | _ | _        |   |  |  |
| $\vdash$ | 103        | _ | Н | _    | _        | ⊢             | H        | _ | Н        | - |  |  |
| $\vdash$ | 104<br>105 | - | Н | _    | ⊢        | ⊢             | ⊢        | _ | ⊢        | - |  |  |
| -        | 106        | - | Н | _    | _        | $\vdash$      | $\vdash$ | _ | $\vdash$ | - |  |  |
|          | 107        |   | Н |      | -        | $\vdash$      | $\vdash$ |   | $\vdash$ | Н |  |  |
|          | 108        |   | П |      |          | -             |          |   | Н        |   |  |  |
|          | 109        |   | П |      | Т        | $\overline{}$ | Т        |   | Н        | П |  |  |
|          | 110        |   |   |      |          |               |          |   |          |   |  |  |
|          | 111        |   |   |      |          |               |          |   |          |   |  |  |
|          | 112        |   |   |      |          |               |          |   |          |   |  |  |
|          | 113        |   |   |      |          |               |          |   |          |   |  |  |
|          | 114        |   |   |      |          |               |          |   |          |   |  |  |
| -        | 115        |   | ш |      | _        | _             | _        | _ | _        |   |  |  |
| -        | 116        |   | Н |      | _        | ⊢             | ⊢        | _ | ⊢        |   |  |  |
| -        | 117        |   | Н |      | _        | ⊢             | _        | _ | H        |   |  |  |
| $\vdash$ | 118<br>119 | _ | Н | Н    | ⊢        | ⊢             | ⊢        | _ | ⊢        | - |  |  |
| $\vdash$ | 120        | Н | Н | Н    | $\vdash$ | $\vdash$      | $\vdash$ | _ | $\vdash$ | Н |  |  |
| $\vdash$ | 121        | Н | Н | Н    | $\vdash$ | $\vdash$      | $\vdash$ | _ | $\vdash$ | - |  |  |
| $\vdash$ | 122        |   | Н | Н    | $\vdash$ | $\vdash$      | $\vdash$ | _ | Н        | - |  |  |
|          | 123        |   | Н |      | $\vdash$ | $\vdash$      | $\vdash$ | _ | $\vdash$ | - |  |  |
|          | 124        |   | Н |      | $\vdash$ | $\vdash$      | $\vdash$ |   | $\vdash$ | Н |  |  |
|          | 125        |   | П |      |          | -             |          |   | Н        |   |  |  |
|          | 126        |   | П |      | Т        | $\overline{}$ | Т        |   | Н        | П |  |  |
|          | 127        |   |   |      | П        |               | П        |   | П        | П |  |  |
|          | 128        |   |   |      |          |               |          |   |          |   |  |  |
|          | 129        |   |   |      |          |               |          |   |          |   |  |  |
|          | 130        |   |   |      |          |               |          |   |          |   |  |  |
|          | 131        |   |   |      |          |               |          |   |          |   |  |  |
| -        | 132        |   | ш |      | _        | _             | _        | _ | _        |   |  |  |
| _        | 133        |   | ш |      | _        | _             | L        | _ | _        |   |  |  |
| $\vdash$ | 134        | _ | Н | _    | _        | ⊢             | H        | _ | H        | - |  |  |
| -        | 135<br>136 | _ | Н | _    | _        | ⊢             | -        | _ | L        | - |  |  |
| $\vdash$ | 136        | Н | Н | Н    | $\vdash$ | $\vdash$      | -        | _ | H        | - |  |  |
| _        | 138        |   |   |      | Н        | Н             | -        |   | H        | - |  |  |
| 1        | 139        |   | Н |      | Н        | $\vdash$      | Н        | - | Н        | - |  |  |
| -        | 140        |   | Н |      |          |               | Н        | - | Н        | Н |  |  |
|          | 141        |   | Н |      | Н        | -             | Н        | _ | Н        | _ |  |  |
|          | 142        |   | Н |      | Н        |               | Н        | _ |          | _ |  |  |
|          | 143        | П | П | П    | Т        | Г             | П        | Т | П        | П |  |  |
|          | 144        |   | П |      |          | Г             | П        |   | П        |   |  |  |
|          | 145        |   |   |      |          |               |          |   |          |   |  |  |
|          | 146        |   |   |      |          |               |          |   |          |   |  |  |
|          | 147        |   |   |      |          |               |          |   |          |   |  |  |
|          | 140        |   |   |      |          |               |          |   |          |   |  |  |
|          | 149        |   |   |      |          |               |          |   |          |   |  |  |
|          | 150        |   | Ш |      |          | _             | Ш        |   |          |   |  |  |